Atty Docket: 367618013US2 <u>Inventors</u>: McGeer et al.

<u>Title</u>: METHODS AND APPARATUSES FOR LAUNCHING UNMANNED AIRCRAFT, INCLUDING RELEASABLY GRIPPING AIRCRAFT DURING LAUNCH AND BRAKING SUBSEQUENT GRIP MOTION JÜL 2 3 2004 1/9 -111 -145b 116 140 110 -148 145a 144 145a -142 120 150 143 145 181 -180 145a 141 116 117 124a 147 115 `146 121 113 114 123 122-

124a-

124

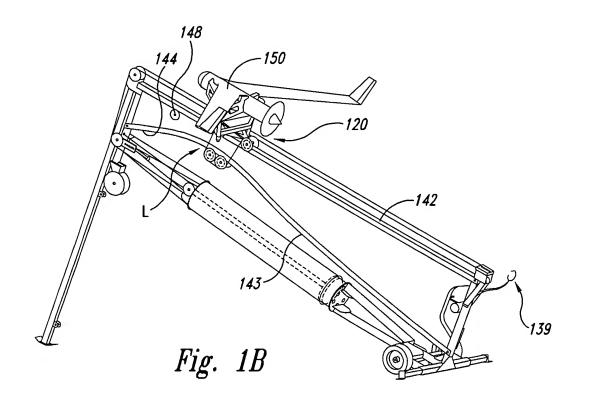
Fig. 1A

---121

124b

124a

STEAT & TRADE



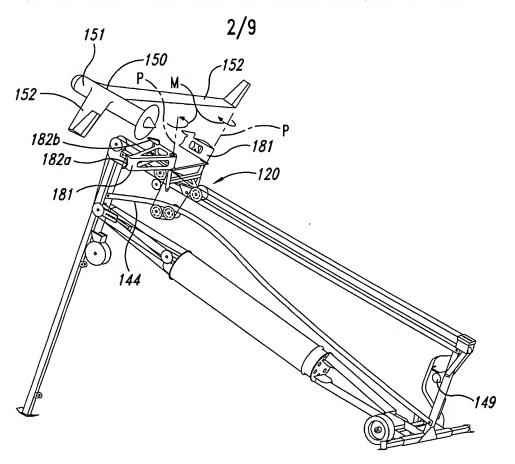


Fig. 1C

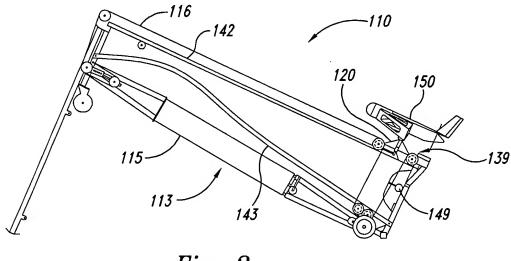


Fig. 2

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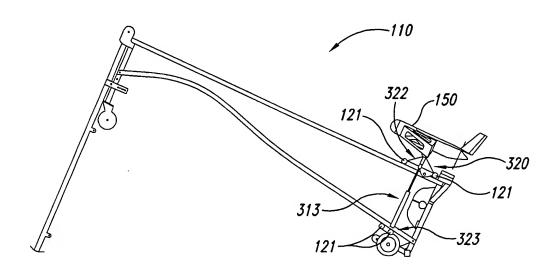
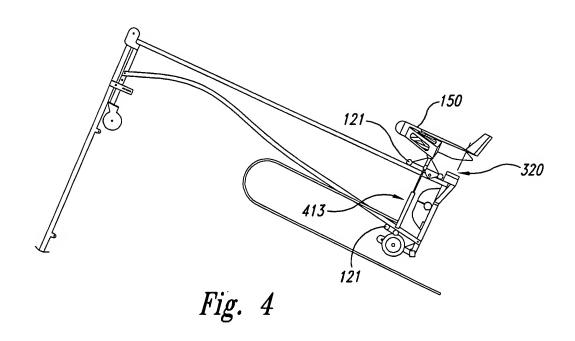


Fig. 3



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## PREDICTED ACCELERATION PROFILES FOR DIFFERENT TRACK SHAPES, SAME ENERGY, SAME END SPEED

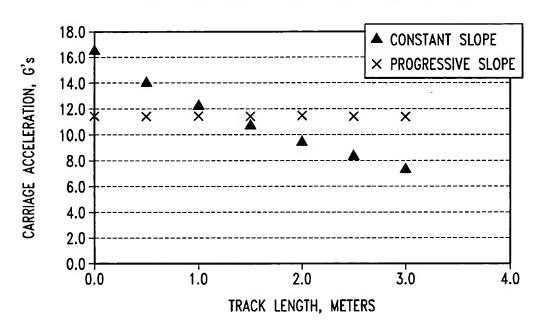


Fig. 5

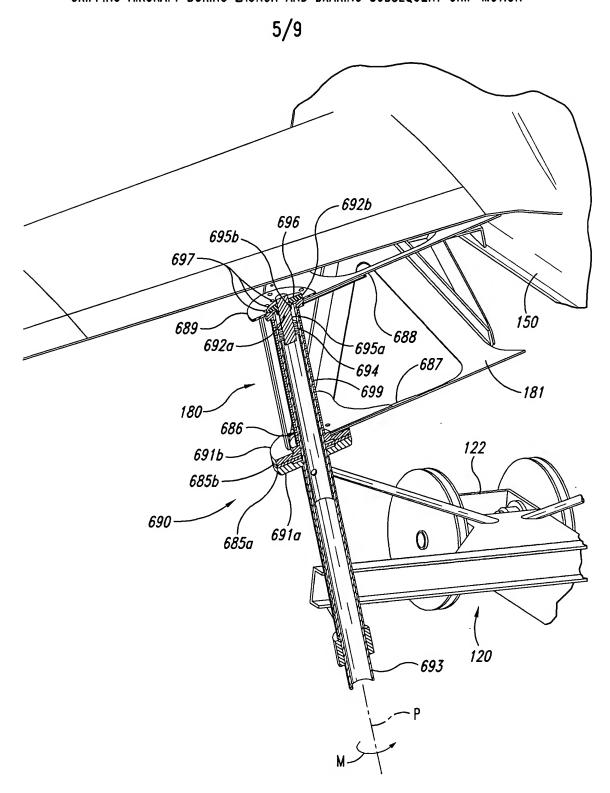


Fig. 6

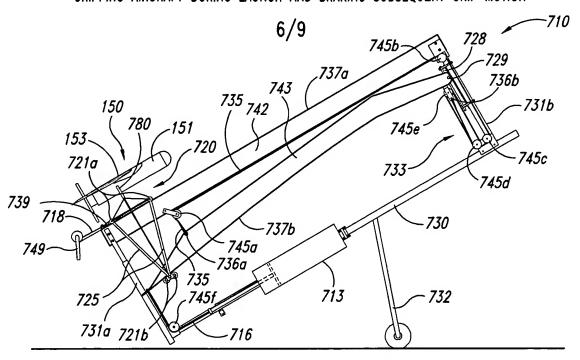


Fig. 7A

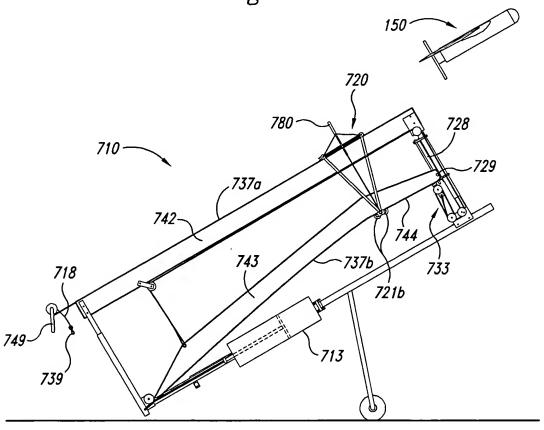
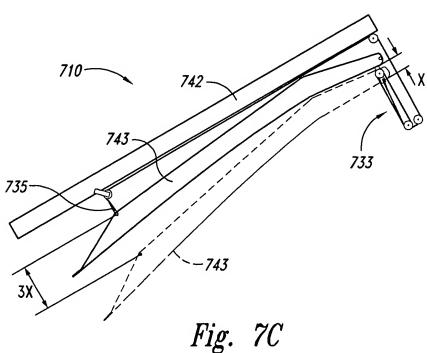


Fig. 7B





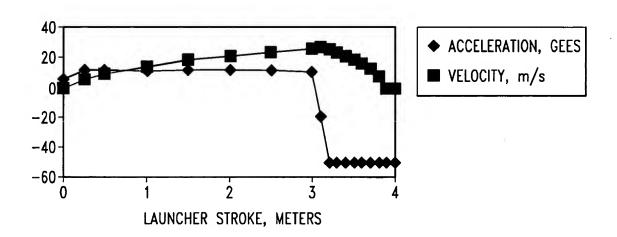


Fig. 7D

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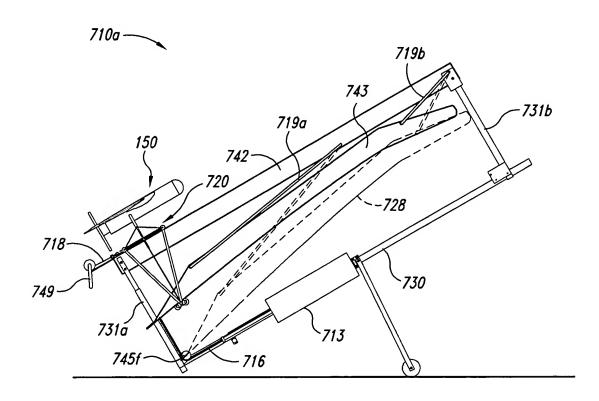


Fig. 7E

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